Use Attainability Analysis

for

WBID 0278 Rush Creek

Submitted by Tetra Tech, Inc

To Missouri Department of Natural Resources Water Protection Program

RECEIVED

Field Data Sheets for Recreational Use Stream Surveys

APR n 6 2005

Data Sheet A - Water Body Identification

WATER PROTECTION PROGRAM

Water Body Name:	
(from USGS 7.5' quad) Rush CAUER (163-168)	
8-digit HUC: 10240011	
Missouri WBID #: 0278	
County: DE KALB	
Upstream Legal Description:	
Downstream Legal Description:	
Upstream Coordinates:	
(UGS 84, ddd.ddddd) 39.21051 -094.71303	······································
Downstream Coordinates:	
(UGS 84, ddd.ddddd) 39.13663 -097.68497	
Discharger Facility Name(s): PANKYTHE SER WHIP	
Discharger Permit Number(s):	MO-0113085
Number of Sites Evaluated: 6	
Name of Surveyor and Telephone Number: CHAS BARROWN, ASA.	m AUTTICI 410-356-8993
Organization: TETRA TECH INC.	
Position: Associate Scientil	
the undersigned, hereby affirm to the best of my knowled	ge, that all information reported on this UAA
atasheet is true and accurate.	
OIII	
igned:	Date: 03-29-05
The state of the s	

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

<u> </u>			Site Loc	anon Læ		
Site GPS Coordinates:	13 100 m	1-0011		WK I	I PARK PLUE ; Q GR	EGIBY FIELD
2 77	<u> </u>	1-094.	Facility			
	75 / (0:20	8m	Permit I		farkville SBK W	WIF
Personnel: AUR : A					f D TJ	
Photo Ids: Upstream:	700,01-3				ons for Past 7 days:	
Thoto ids. Opsicani.	13 84 1604	DOWNSHES	106 - DS 1500	Other	77 9 1688 3 ElasCan 76 04 1607 = Green > 180	<u>US</u>
es Observed*:		,,,,,,,	,-			on secur
☐ Swimming	☐ Skin divir	ıg	SCUBA divir	g	☐ Tubing	☐ Water skiing
☐ Wind surfing	□ Kayaking		□ Boating		☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping		M Fishing		☐ None of the above	☐ Other:
Assumed a					locumentation of evidence	of recreational uses,
				·····		76.001.00
	ns*: (Mark all i	that promot	te or impede recre	ntional us	ses. Attach photos of evider	nce or unusual
	ns*: (Mark all i		te or impede recre		ses. Attach photos of evider	nce or unusual
ns of interest.)	···· 	nds 🗆 M			T	
ns of interest.) City/county parks	☐ Playgrous	nds D M	IDC conservation		☐ Urban areas	☐ Campgrounds
ms of interest.) A City/county parks ☐ Boating accesses ☐ No trespass sign	☐ Playgroun ☐ State park	nds D M	ADC conservation		☐ Urban areas ☐ Nature trails	☐ Campgrounds
ns of interest.) A City/county parks ☐ Boating accesses ☐ No trespass sign	☐ Playgroun ☐ State park	nds D M	ADC conservation	lands	☐ Urban areas ☐ Nature trails	☐ Campgrounds
ns of interest.) City/county parks □ Boating accesses □ No trespass sign idence of Human U	☐ Playgroun ☐ State park ☐ Fence	nds	ADC conservation lational forests teep slopes	lands	☐ Urban areas ☐ Nature trails ☐ Other:	☐ Campgrounds ☐ Stairs/walkway
ms of interest.) City/county parks Boating accesses No trespass sign vidence of Human U Roads	☐ Playgroun ☐ State parl ☐ Fence Se*: Note: The part of the par	nds	ADC conservation [ational forests teep slopes Dock/platfo	lands	☐ Urban areas ☐ Nature trails ☐ Other: ☐ Livestock Watering	☐ Campgrounds ☐ Stairs/walkway

Page Two – Data Sheet B for WBID # 163 :

Upstream View ☐ Riffle Width		Length (ft):	Avg. D	epth (ft):	Max. Depth (ft);	
□ Run Width	(ft):	Length (ft):	Avg. D	epth (ft):	Max. Depth (ft):	<u> </u>
Pool Width	(ft): Dim	Length (ft):	Ola Avg. D	epth (ft): ().	Max. Depth (ft):	0.95m
Flow Preser		□ No Too for	Estimat	ted (ft ³ /sec):	177.	0,10,,0
Downstream Vi	ew Physica		75 75 10)5 1.5n	-, 1.5m, 1.5m	
□ Riffle Width		Length (ft):	Avg. D	epth (ft):	Max. Depth (ft):	
□ Run Width	(ft):	Length (ft):	Avg. D	epth (ft):	Max. Depth (ft):	>1.4m
Pool Width	(ft): 1m	Length (ft):	John Avg. D	epth (ft): [m	Max. Depth (ft):€	And the contract of
Flow Preser	•	□ No	Estimat	ted (ft ³ /sec):	0.19m/s	
action to the contract		-44 1000 >		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
ostrate*: (These		& Gravel	% Sand	% Silt	50 % Mud/Clay	% Bedrock
Lok of b	rown t go	tin algae(er algal growth at the see Photo)	assessment site		
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Lok of D ter Characteric Odor: Color:	viwh {- gi stics*: (Mark □ Sewage	tin Algae () all that apply.) Musky	sec Photo) Chemical	□ None □ Milky	□ Other:	ntous Higac
Lek of Date Characteric Odor: Color: Bottom Deposit: Surface Deposit:	stics*: (Mark Sewage Clear Sludge Oil attach addit	all that apply.) A Musky Green Solids Scum	Chemical Cray Fine sediments (including information)	☐ None ☐ Milky ents ☐ None ☐ None ☐ mation from i	☐ Other: ☐ Other: ☐ Other: fi((ame) ☐ Other: ☐ other:	
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der Characteris Odor: Color: Bottom Deposit: Surface Deposit: mments: Please is information is no prehensive underst sion on the recreati he undersigned	stics*: (Mark Sewage Clear Sludge Oil attach addit t to be used so anding of wate on use analysi , hereby aff	all that apply.) Musky Green Solids Scum tional comments alely for removal of ar conditions. Cons but may point to the	Chemical Che	☐ None ☐ Milky ents ☐ None ☐ None ☐ mation from i	Other: Other: Other: Other: Other: ther is to provide a more nded to directly influence a	
Lek of V ter Characteris Odor: Color: Bottom Deposit: Surface Deposit: mments: Please is information is no prehensive underst sion on the recreati	stics*: (Mark Sewage Clear Sludge Oil attach addit t to be used so anding of wate on use analysi , hereby aff	all that apply.) Musky Green Solids Scum tional comments alely for removal of ar conditions. Cons but may point to the	Chemical Chemical Gray Fine sedime (including informational use of sequently, this informations that needs of my knowled)	☐ None ☐ Milky ents ☐ None ☐ None ☐ mation from i	Other: ot	











Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

	Missouri WBID #: 104	·	 	Site Locat	ion Des	scription:	
a.	Site GPS Coordinates: 3	<u>. </u>	PTY I MOST			at to teas treaty	off of FIF
1966.)	Date & Time: 3-16-0		711,0100		ame: §	POST CREEK SBR (NUTT PARVILLE
-	Personnel: A			Permit Nu		July -	THOUGHT !
	Current Weather Condition		sás	Weather (Conditio	ons for Past 7 days: 500	V44*1
	Photo Ids: Upstream: 7	action Dow	nstream: 73			31 K 16/2 - AKGHE 9	
Us	es Observed*:	· · · · · · · · · · · · · · · · · · ·				go on 1611 = DUDGE	
	☐ Swimming	Skin diving	□ so	CUBA diving		□ Tubing	☐ Water skiing
	☐ Wind surfing	☐ Kayaking	□В	oating		☐ Wading	☐ Rafting
	☐ Hunting	Trapping	O Fi	shing	•	☐ None of the above	C Other:
	Describe: (include numbe		reating, freq	uency of use,	photo-d	locumentation of evidence	of recreational uses, etc.)
Su	- PASJER-B	SUMED ALT MY NAS SEEA S*: (Mark all that r	J FORMI	1 Scru a	u Hz	Subsect.	AROVOD: (ROSS
	ns of interest.)	T	,			7	7
	☐ City/county parks	☐ Playgrounds	☐ MDC c	onservation la	ınd s	☐ Urban areas	☐ Campgrounds
	☐ Boating accesses	☐ State parks	☐ Nations	l forests		☐ Nature trails	☐ Stairs/walkway
	☐ No trespass sign	☐ Fence	(X Steep sl	opes		☐ Other:	
Ev	idence of Human Use	e*:					
	☐ Roads	☐ Foot paths/pri	nts 🗆	Dock/platform	n.	☐ Livestock Watering	X RV / ATV Tracks
	☐ Rope swings	☐ Camping Sites		Fire pit/ring		☐ NPDES Discharge	☐ Fishing Tackle
	Other: Bee Bux	23					
oth *Se	ner items that may be one of this information is any point to conditions that n	of interest. (Încli not intended to direc eed further analysis	ude photogothy influences or that effect	graphs) e a decision or	n any or	nent sites clearly labele	•
	\d.(\ = 0	Am	کر سیا	Jour _		3-16-05	·

September 29, 2004

rage I wo – Data	Sneet B for W	BID # 109	 :		In 105	
Stream Morphole	gy:			2 -	1 in 75	
		nensions: 🎣	.5,.7,.7,.59	 	15	·····
□ Riffle Widt	h (ft):	Length (ft):	Avg. Depth	<u> </u>	Max. Depth (ft);	
Run Widt	h (ft):5m	Length (ft):	Jon Avg. Depth	(ft): 0.50m	Max. Depth (ft): (1.7m
☐ Pool Widt	h (ft):	Length (ft):	Avg. Depth	(ft): Annt	Max. Depth (ft):	
Flow Prese	nt? Yes	□ No	Estimated (1		12mls	
Downstream V	iew Physical I	Dimensions:	ال. 35. لوم . ال	3.,5	in los 95	
	h (ft):	Length (ft):	Avg. Depth		Max. Depth (ft):	·····
Run Widt	h (ft): Um	Length (ft):	20m Avg. Depth	(ft): 0,44 m	Max. Depth (ft):).7m
Pool Widt	h (ft):	Length (ft):	Avg. Depth		Max. Depth (ft):	<u>~ 1/n</u>
Flow Prese	nt? Yes	□ No	Estimated (#	3. MAC	7	
		· · -	<u>-</u>		(9) (// (3)	·
ubstrate*: (Thes						
% Cobb	le %	Gravel	% Sand 4	9 % Silt 10	% Mud/Clay	% Bedroc
Ater Character Odor:			D 01iI	V.,.		· · · · · · · · · · · · · · · · · · ·
Color:	☐ Sewage	☐ Musky	☐ Chemical	None	Other:	······
Bottom Deposit:	☐ Clear	Green	X Gray	□ Milky	□ Other:	
·····	Sludge	☐ Solids	☐ Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	☐ Scum	□ Foam	None	Other:	
This information is numbers	ot to be used sole! tanding of water (ly for removal of conditions. Cons	a recreational use design equently, this information conditions that need furth	nation but rather is n is not intended t	to provide a more o directly influence a	
	l, hereby affir		of my knowledge, t	•		this UAA
igned: Man	<u> lut</u>		Date:	3/16/05		
rganization:	E-DUT		Position	n: <u>&l. [</u>	·	_
A.	Ma	_ Hu	th 3-16	~o5		
September 29	, 2004)			Page	: 19









Data Sheet B - Site Characterization (A separate data sheet must be completed for each site)

<u></u>	REVISIT		Site Location	Description:	~ OF ROUTE FF AND
Site GPS Coordinates: N	>4-13853 NOTH (6) 134	(A1-2).7 pt	UN=0,√ €11	CHOOKED UD! NATH TH	LAND TASKADAS TOALLY
Date & Time: 03-13-05			Facility Name	:VNJUR CHMEL ELOM SC	mar perso
Personnel: CHAD BANK	SOUR JERANY ROL	3000	Permit Numb		
Current Weather Condition			Weather Con-	litions for Past 7 days:	
Photo Ids: Upstream: 16	y≥ β Dov	vnstream: (63	पह 01	her:	
ses Observed*:					
☐ Swimming	☐ Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□Во	ating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fis	hing	None of the above	☐ Other:
	E DELATING OF	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ייין זעוק.		·
orrounding Condition				I uses. Attach photos of evide	ence or unusual
		promote or im		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
rrounding Conditions of interest.)	OS*: (Mark all that p	promote or im	pede recreations	·	ence or unusual Campgrounds Stairs/walkway
rrounding Conditions of interest.)	ns*: (Mark all that p	promote or im	pede recreations nservation lands forests	☐ Urban areas	☐ Campgrounds ☐ Stairs/walkway
rrounding Conditions of interest.) City/county parks Boating accesses	OS*: (Mark all that p Playgrounds State parks Fence	oromote or im MDC co	pede recreations nservation lands forests	☐ Urban areas ☐ Nature trails	☐ Campgrounds ☐ Stairs/walkway
Dirrounding Condition of interest.) ☐ City/county parks ☐ Boating accesses ☐ No trespass sign	OS*: (Mark all that p Playgrounds State parks Fence	oromote or im ☐ MDC co ☐ National ☐ Steep slo	pede recreations nservation lands forests	☐ Urban areas ☐ Nature trails	☐ Campgrounds ☐ Stairs/walkway
rrounding Condition ms of interest.) ☐ City/county parks ☐ Boating accesses ☐ No trespass sign	OS*: (Mark all that parks Playgrounds State parks Fence	Dromote or im MDC co National Steep slo	pede recreations nservation lands forests	☐ Urban areas ☐ Nature trails ☐ Other: PARICAGAD,	☐ Campgrounds ☐ Stairs/walkway Resarbeat

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

TVR-03/18/05

September 29, 2004

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # $\frac{|(4)-\Lambda \circ v^{\frac{1}{2}})^{\frac{1}{4}}}{}$:

September 29, 2004

□ Riffle	Width (t):		Length (ft):	Avg. Der	th (ft):	Max. Depth (ft):	
E Run	Width (t):	7.lm	Length (ft): Qu		th (ft): 0.36~		B U3
□ Pool	Width (Length (ft):	Avg. Dep		Max. Depth (ft):	9 47/11
€ Flow	Present	·············	Yes	□ No			315! 4~= 382: 4~= 455.	
							FLOWS O. HAIS	
Downstre	am Vie	w]	Physical	Dimensions: 0	10,8/22,0-45,0	23,0122		
□ Riffle	Width (t):		Length (ft):	Avg. Dep	th (ft):	Max. Depth (ft):	
₩ Run	Width (î):	7.0~	Length (ft): 그십	n Avg. Dep	th (ft)։ _Ե , թ Հ _Հ	Max. Depth (ft):	ð.45m
[] Pool	Width (t):		Length (ft):	Avg. Dep	th (ft):	Max. Depth (ft):	
☑ Flow	Present'	•	Yes	□ No	Estimated	(ft³/sec)։ Վաթ	935; 4n =186; 4n = 215.	·
F44		_					FLOW = 0.19 m/s	
	(These v	alu I		dd up to 100%.) Gravel	% Sand 20	% Silt	80 % Mud/Clay	% Bedroc
natic Veg	etation	*: (note amou	nt of vegetation or	algal growth at the a	ssessment site)		
NONG		ics		all that apply.)	algal growth at the a	ssessment site)		10775
Nows ater Char		ics	*: (Mark :	all that apply.)			☐ Other: Ongawas	4×7*6*\
Now G ater Chara Odor:	acterist	ics	*: (Mark : Sewage	all that apply.)	□ Chemical	None Milky	☑ Other: on6****	487761
ater Chara Odor: Color: Bottom De	acterist posit:		*: (Mark : Sewage Clear Sludge Oil	all that apply.) Musky Green Solids	☐ Chemical ☐ Gray ☑ Fine sediment	☑ None ☑ Milky s □ None □ None	☐ Other: ७०७०००००	7127





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 169	5		Site Location	Description: NO WALNUT CREEK AD.	
Site GPS Coordinates:			T POUTE FF A	IND WALNET CHECK FD.	
Date & Time: 03-15-0	5:1705		Facility Name	PAREVILLE SBR, WWT	
Personnel: CHAD SAMES	th, Jehamy Robi	36N	Permit Numbe	····	
Current Weather Condit			Weather Cond	itions for Past 7 days:	
Photo Ids: Upstream:	5638 Do	vnstream: 15	on Ou	ier:	-
es Observed*;					
☐ Swimming	☐ Skin diving		UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□Во	ating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	□ Fis	hing	☑ None of the above	☐ Other:
SITE VENY MUDDY MATERIAL	LAND DEER WIT	H A LANG	E AMOUNT O	F FORM AND DECAYS	e of recreational uses, etc 中心人。
SETE VENY MUDDY	I AND DEFERWIT	H A LANG	E AMOUNT O	FRAM AND PECAYTE	ONGANZ
SETE VERY MUDDY MATERIAL. rrounding Conditions of interest.)	ns*: (Mark all that	promote or in	F Amay wy o	uses. Attach photos of eviden	ence or unusual
Tate Very MUDDY MATERIAL rrounding Condition ns of interest.) City/county parks	ns*: (Mark all that	promote or in	pede recreational	uses. Attach photos of evide	ence or unusual Cl Campgrounds
SETE VERY MUDDY MATERIAL. rrounding Conditions of interest.)	ns*: (Mark all that	promote or in	pede recreational	uses. Attach photos of evide	ence or unusual Campgrounds Stairs/walkway
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Trounding Conditions of interest.) City/county parks Boating accesses No trespass sign idence of Human Us	ns*: (Mark all that Playgrounds State parks Fence	promote or in MDC co National	pede recreational	uses. Attach photos of evide Urban areas Nature trails	Campgrounds Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

JTR 03/15/05

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 165

□ Riffle V	Width (fi):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
□ Run V	Width (fi):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Pool V	Width (fi): 5 8m	Length (ft): All	Avg. Depth	(ft): ~/^	Max. Depth (ft):	NIK
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	Width (fi		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
	Width (fi		Length (ft):	Avg. Depth		Max. Depth (ft):	
): 58m	Length (ft): 😙		······································	Max. Depth (ft):	A/15
	Present?	□ Yes	Ø No	Estimated (f	•		, , , , , , , , , , , , , , , , , , ,
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			add up to 100%.) A	'IA			
% (Cobble	94	Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
NONE				algal growth at the asso	essment site)		
NONE	cteristi	cs*: (Mark	all that apply.)	algal growth at the asso	□ None	☑ Other: DECAY	NG DAGANIC
NONE	cteristi			☐ Chemical	□ None	☑ Other: DELAYI	
NONE ater Charac Odor:	cteristi	cs*: (Mark □ Sewage □ Clear	all that apply.) □ Musky			☑ Other: DECAYI ☑ Other: Thick f	
ater Charac Odor: Color:	cteristi	cs*: (Mark □ Sewage	all that apply.) ☐ Musky ☐ Green	☐ Chemical	□ None	Other: Thick f	
ater Charac Odor: Color: Bottom Depo	osit:	CS*: (Mark ☐ Sewage ☐ Clear ☐ Sludge ☐ Oil	all that apply.) ☐ Musky ☐ Green ☐ Solids ☐ Scum	☐ Chemical ☐ Gray ☑ Fine sediments ☑ Foam	☐ None ☐ Milky ☐ None ☐ None	☑ Other: Thick t	ppour
ater Charac Odor: Color: Bottom Depo Surface Depo mments: Pl	osit: lease at a is not to	cs*: (Mark ☐ Sewage ☐ Clear ☐ Sludge ☐ Oil tach additi	all that apply.) Musky Green Solids Scum Onal comments	Chemical Gray Fine sediments Foam (including informat	☐ None ☐ Milky ☐ None ☐ None ☐ on from intention but rather	Other: Traine for Other: Other: Other: rviews) to this form	1.
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ater Charac Odor: Color: Bottom Depo Surface Depo mments: Pl nis information nprehensive un ision on the rec	eteristi osit: lease at n is not to nderstance	cs*: (Mark ☐ Sewage ☐ Clear ☐ Sludge ☐ Oil tach additi o be used solding of water use analysis	all that apply.) Musky Green Solids Scum Onal comments ely for removal of a conditions. Conse but may point to co	Chemical Gray Fine sediments Foam (including information recreational use designated and its information of the conditions that need further conditions that nee	☐ None ☐ Milky ☐ None ☐ None ☐ nation from intendent is not intendent analysis or the	Other: Traine form Other: Other: rviews) to this form is to provide a more ad to directly influence a	1.
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ater Charac Odor: Color: Bottom Depo Surface Depo mments: Plans information inprehensive unision on the re- the undersignasheet is tr	osit: lease at a series and the derstander creation gned, l	cs*: (Mark Sewage Clear Sludge Oil tach addition be used solding of water use analysis sereby affile accurate	all that apply.) Musky Green Solids Scum onal comments of a conditions. Conse but may point to comment to the best of the conditions.	Chemical Gray Fine sediments Foam Gincluding information recreational use designmently, this information distributions that need furth	☐ None ☐ Milky ☐ None ☐ None ☐ not intendent is not intendent analysis or the character in	Other: Traine f Other: Other: rviews) to this form is to provide a more d to directly influence a hat effect another use.	1.
ater Charac Odor: Color: Bottom Depo Surface Depo mments: Pl nis information mprehensive un ision on the rec the undersig tasheet is tr gned:	cteristi posit: lease at a sis not to a sis not to a creation great, it a sis not to a creation great. It a creation great a creation great a creation great.	cs*: (Mark Sewage Clear Sludge Oil tach additing of water use analysis accurate	all that apply.) Musky Green Solids Scum onal comments of a conditions. Conse but may point to comment to the best of the conditions.	Chemical Gray Fine sediments Foam Gincluding information recreational use designmently, this information of my knowledge, the sediment of the conditions that need further the conditions the conditions that need further the conditions that need further the conditions that need further the conditions the conditio	□ None □ Milky □ None □ None □ nation from intendent is not intendent analysis or the contract all information analysis of the contract all information analysis or the contract all information analysis or the contract all information analysis or the contract all information and contract all information a	Other: Traine f Other: Other: rviews) to this form is to provide a more d to directly influence a hat effect another use.	1.





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

	•		Site Location	Description: されるv OF みゃいてば K AND	COUTE FF
Site GPS Coordinates: N	39-14571 6044	.フラルギ	ייישועיב ואָן	SELECTION OF USE IN K YOUR	
Date & Time: 03-15-0			Facility Name	PARKVILLE SBL WATE	
Personnel: CHAP BADS	OUD, SUDANY A	1606M	Permit Number		
Current Weather Condit	ions: 44°F. Oveke	ΑίŢ	Weather Cond	itions for Past 7 days:	
Photo Ids: Upstream:	15666 Dov	vnstream: 🖂	67 ng Od	er:	
ses Observed*:					
☐ Swimming	☐ Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiling
☐ Wind surfing	☐ Kayaking.	□Во	ating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	□ Fis	hing	☑ None of the above	☐ Other:
VERY MUDDY, DEEP	. FING SEGIAGI	νT <u>,</u>			
urrounding Conditio			npede recreationa	uses. Attach photos of evide	nce or unusual
	ns*: (Mark all that)	promote or in	npede recreationa	uses. Attach photos of evide	
arrounding Conditions of interest.)	ns*: (Mark all that	promote or in	onservation lands		☐ Campgrounds
irrounding Conditions of interest.)	ns*: (Mark all that)	promote or in	onservation lands	☐ Urban areas	☐ Campgrounds
urrounding Conditions of interest.) ☐ City/county parks ☐ Boating accesses ☐ No trespass sign	ns*: (Mark all that property of the property of the parks ☐ Fence	promote or in MDC co	onservation lands	☐ Urban areas	☐ Campgrounds
arrounding Conditions of interest.) ☐ City/county parks ☐ Boating accesses	ns*: (Mark all that property of the property of the parks ☐ Fence	promote or in MDC co	onservation lands	☐ Urban areas	☐ Campgrounds
rrounding Conditions of interest.) ☐ City/county parks ☐ Boating accesses ☐ No trespass sign	ns*: (Mark all that Playgrounds State parks Pence	promote or in MDC co Nationa Steep slo	onservation lands I forests opes	☐ Urban areas ☐ Nature trails ☐ Other: Train Tra	☐ Campgrounds ☐ Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

JUR-03/15/05

September 29, 2004

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: CMCM	Date: 03-15-05
Organization: TETRA TECH INC.	Position: Ass W. JATE SCIENTESS 7
JTR 63/15/05	

decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	16-REV2527		Site Location De	escription:	
Site GPS Coordinates:		74.72176			
Date & Time: 3-16-			Facility Name:	PARMYLLE JBR L	u w T P
Personnel: AVR A	4(-		Permit Number:		
Current Weather Conditi	ions: Juliu ; 4	105	Weather Conditi	ons for Past 7 days: つび	NU4 405
Photo Ids: Upstream: 76	Down	nstream: 69a	1599 Other	" ALGAE 71 OR 1601	
es Observed*:				DEADOROBOM- 72 M	1002
☐ Swimming	☐ Skin diving	□ sct	JBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□Воа	ting	□ Wading	☐ Rafting
☐ Hunting	Trapping	Y Fish	ing	☐ None of the above	☐ Other:
Describe: (include numb	. 1 . 1 . 3				of recreational uses, e
Describe: (include numb Assumed a Describe: (include numb	er of individuals recr thuitus base NGU Tw Me	dm 10 EK (5E)	catumi f EAROTO		
Describe: (include numb Assumd a Describe: (include numb Condition	er of individuals recr thuitus base NGU Tw Me	dm 10 EK (SE) romote or imp	catumi f EAROTO	emditus.	
Describe: (include numb ASSumed a Describe: (include numb ASSumed a Describe: (include numb association as of interest.)	er of individuals recr thvitus base SM W Me ns*: (Mark-all that p	dm 10 EK (SE) romote or imp	catum f EMOTO	tendifus,	nce or unusual
Describe: (include numb ASS word a DEAD OPA Prounding Condition as of interest.) □ City/county parks	ns*: (Mark-all that p	edm o Ek (5E) romote or imp (FIET) MIDC cor	cahin f EMO70	ses. Attach photos of evide	nce or unusual Campgrounds
Describe: (include numb ASS umd a DEAD OPA rrounding Condition as of interest.) City/county parks Boating accesses	Ins*: (Mark-all that p State parks	romote or imp	cahin f EMO70	ses. Attach photos of evide	nce or unusual Campgrounds
Describe: (include numb ASS word A DEAD OPA Prounding Condition as of interest.) □ City/county parks □ Boating accesses □ No trespass sign	Ins*: (Mark-all that p State parks	of m o Ek (SE) romote or imp FIELD MDC cor National	cahin f EMO70	ses. Attach photos of evide	nce or unusual Campgrounds
Describe: (include numb ASS word A DEAD OPA Prounding Condition as of interest.) City/county parks Boating accesses No trespass sign idence of Human Us	Ins*: (Mark-all that property) State parks Fence	romote or imp	cahin f EMOTO pede recreational unservation lands forests pes	ses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway

other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

3-16-05

September 29, 2004

Page Two - Data Sheet B for WBID # /66 - 65V 73 2 7

Upstream View ☐ Riffle Width		Longth (ft):	Avg. Depth		Max. Depth (ft):	
Run Width		Length (ft):	Avg. Depth		Max. Depth (ft):	
	(ft): 8m	Length (ft): 2	Om Avg. Depth	(ft): 0.71 ₄₁	Max. Depth (ft):	lm
Flow Present	·····		S[W Estimated (f	· · · · · · · · · · · · · · · · · · ·		
Downstream Vi	ew Physical	Dimensions: •	2,.19,.1,.15,.	2 185 /	os Im In	
□ Riffle Width	(ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
	(ft): In		On Avg. Depth		Max. Depth (ft): (),2m
Pool Awwidth	(ft): Ain Am	Length (ft); 27	man (- Avg. Depth	(fi): 0,/68	Max. Depth (ft):	
Flow Presen	t? XYes	□ No	Estimated (f	i-4sec):	1.025m/s	<u></u>
bstrate*: (These	unluas abaseld a	.dd un en 1000£ \				
% Cobble		Gravel 4	% Sand //	00 % Silt	% Mud/Clay	% Bedrock
Flooulent ter Characteris				······································	·····	······································
			☐ Chemical	None	☐ Other:	
iter Characteris	tics*: (Mark	all that apply.)	☐ Chemical	None ☐ Milky	□ Other:	
i ter Characteris Odor:	tics*: (Mark:	all that apply.)	17			
nter Characteris Odor: Color:	tics*: (Mark:	all that apply.) Musky Green	O Gray	☐ Milky	□ Other:	
odor: Color: Bottom Deposit: Surface Deposit: mments: Please his information is non aprehensive understatision on the recreation	Sewage Clear Sludge Oil attach additi	all that apply.) Musky Green Solids Scum Onal comments (ely for removal of a conditions. Consequent but may point to conditions.	Fine sediments Foam Foam Foam Foam Foam Foam Foam Foam	☐ Milky ☐ None ☐ None ☐ none ☐ not interpreted in its not intended there analysis or the	Other: Other: Other: rviews) to this form. is to provide a more d to directly influence a lat effect another use.	
Ater Characteris Odor: Color: Bottom Deposit: Surface Deposit: mments: Please his information is non prehensive understation on the recreation he undersigned, tasheet is true as	Sewage Clear Sludge Oil attach additi t to be used solunding of water on use analysis hereby affind accurate.	all that apply.) Musky Green Solids Scum Onal comments (ely for removal of a conditions. Consended but may point to co	Fine sediments Foam Foam Foam Foam Foam Foam Foam Foam	☐ Milky ☐ None ☐ None ☐ None ion from internation but rather is not intended her analysis or the hat all inform	Other: Other: Other: rviews) to this form. is to provide a more it to directly influence a lat effect another use. mation reported on	
Ater Characteris Odor: Color: Bottom Deposit: Surface Deposit: mments: Please his information is non prehensive understation on the recreation he undersigned, tasheet is true as	Sewage Clear Sludge Oil attach addition to be used solunding of water on use analysis, hereby affi	all that apply.) Musky Green Solids Scum Onal comments (ely for removal of a conditions. Consended but may point to co	Fine sediments Foam Foam Foam Foam Foam Foam Foam Foam	☐ Milky ☐ None ☐ None ☐ None ion from internation but rather is not intended her analysis or the hat all inform	Other: Other: Other: rviews) to this form. is to provide a more d to directly influence a lat effect another use.	









Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 167	7 * * *		Site Location D	description:	LUSTS GALD		
Site GPS Coordinates:	67	E:16.5FL	ግባ (አለር ላይ ላይ -	TONO WITHIN MANOR	auesa Aura.		
Date & Time: 65-15-65	11760		Facility Name:	PANEVILLE SON WWTP			
Personnel: CHAS CANO	HON, JERAMY RO	NEW	Permit Number				
Current Weather Conditions: 45% F. Ovencas's Weather Conditions for Past 7 days:							
Photo Ids: Upstream:			LUB Othe	er:	······································		
ses Observed*:							
☐ Swimming	☐ Skin diving	□ sc	UBA diving	☐ Tubing .	☐ Water skiing		
☐ Wind surfing			ating	☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	□ Fisl	hino	None of the above	☐ Other:		
SITE IS WENTE	LOCAL PARK A	VD FUTURE	Housse deve	ያ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ ፡ 	of recreational uses, etc.		
SITE IS WITHIN	LOCAL PARK A	V D FUTURE	Hovsav6 Devo	uses. Attach photos of eviden			
SITE IS WITHIN	LOCAL PARK A	oromote or im	Hovsav6 Devo	:			
stre is within	LOCAL PARK A	oromote or im	Pede recreational	uses. Attach photos of eviden	nce or unusual		
arrounding Condition ms of interest.) City/county parks	DOCAL PARK A	promote or im	pede recreational inservation lands	uses. Attach photos of eviden	nce or unusual □ Campgrounds		
SITE IS DITHING arrounding Condition ms of interest.) City/county parks Boating accesses No trespass sign	LOCAL PARK A	promote or im MDC co	pede recreational inservation lands	uses. Attach photos of eviden Urban areas Nature trails	nce or unusual □ Campgrounds		
rrounding Condition ms of interest.) City/county parks Boating accesses No trespass sign	LOCAL PARK A	promote or im MDC co National	pede recreational inservation lands	uses. Attach photos of eviden Urban areas Nature trails	nce or unusual □ Campgrounds		
Trounding Condition ms of interest.) City/county parks Description Boating accesses No trespass sign	Deal Park A	promote or im MDC co National	pede recreational inservation lands forests	Urban areas □ Nature trails □ Other:	Campgrounds		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - Data Sheet B for WBID #_____:

☑ Riffle Width	ı (ft): ˌч,≲~	Longth (ft): 🖂	Avg. D	epth (ft):	Max. Depth (ft):	0,20
□ Run Width	(ft):	Length (ft):	Avg. D	epth (ft):	Max. Depth (ft):	
□ Pool Width	(ft):	Length (ft):	Avg. D	epth (ft):	Max. Depth (ft):	· · · · · · · · · · · · · · · · · · ·
Flow Preser	nt? 🗹 Yes	□ No	Estima	ed (ft³/sec): _{(/vA/bu}	E TO MEASURE - ROCKY	Ania
)ownstream V	iew Physical i	Dimensions: t				
□ Riffle Width		Length (ft):		epth (ft):	Max. Depth (ft):	·
☑ Run Width	ı (ft): 4,5~	Length (ft): 70	Avg. D	epth (ft):	Max. Depth (ft):	
☐ Pool Width		Length (ft):		epth (ft):	Max. Depth (ft):	
☑ Flow Preser	nt? 🗹 Yes	□ No	Estima	ed (ft³/sec): 4,7,5/5	5; H. M. = 125; 4 M. = 24;	
		T-1-12-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			FLOW = 0.24 15	
ostrate*: (These		dd up to 100%.) Gravel	% Sand	% Silt	% Mud/Clay	% Bedroel
ton Characteri	ation#. G.E. T.					
ter Characteri			Chemical	l None	C Other:	
	□ Sewage	□ Musky	☐ Chemical	☑ None	☐ Other:	
Odor: Color:	☐ Sewage ☐ Clear		☐ Chemical ☐ Gray ☑ Fine sedim	☑ Milky	□ Other: ਐ\ò∪∧	/
Odor:	□ Sewage	□ Musky	□ Gray	☑ Milky		
Odor: Color: Bottom Deposit: Surface Deposit: nments: Please is information is no prehensive underst sion on the recreati	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil attach addition to be used sole anding of water ion use analysis	☐ Musky ☐ Green ☐ Solids ☐ Scum Onal comments of a conditions. Consecute may point to comment to the best of the conditions.	Gray Fine sedime Foam Gray Foam Gray Foam Gray Gray Gray Foam Gray Foam Gray Foam Gray Foam F	Milky Ints None None Mone mation from interesting is not intende further analysis or the	☐ Other: \$000 A	1.
Odor: Color: Bottom Deposit: Surface Deposit: mments: Please is information is no prehensive underst sion on the recreation	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil attach addition to be used soler anding of water ion use analysis in the courage. I, hereby affinand accurate.	☐ Musky ☐ Green ☐ Solids ☐ Scum Onal comments of a conditions. Consecute may point to comment to the best of the conditions.	Gray Fine sedime Foam (including informational use of quently, this informations that need of my knowled)	Milky Ints None None Mone mation from interesting is not intende further analysis or the	Other: Other: Other: ris to provide a more ed to directly influence a hat effect another use.	1.





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: /63			Site Location Description:				
Site GPS Coordinates: N	134.21051 WOG	1,71383	UNDERNOATH RTHS OVER CASS.				
Date & Time: 03-15-0			Facility Name: PARKUTILE SOR WWIF				
Personnel: CHAP 5.46	WAR SCHAMA	Rober	Permit Number:				
Current Weather Condit	ions: 47°F, CV3	MEAST	Weather Conditions for Past 7 days:				
Photo Ids: Upstream:			s G ን B Other:				
es Observed*:		•					
☐ Skin diving		□ sc	UBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Bos	ating	☐ Wading	☐ Rafting		
☐ Hunting				☑ None of the above	Other:		
Describe: (include numb					of recreational uses, etc		
SITE ON ESGE S	F GOLF COURSE	AND HOUS	sve Divocor				
SITE ON ESGE S	F GOLF COURSE	AND HOUS	sve Divocor	MEV7.	nce or unusual		
rrounding Conditions of interest.)	F GOLF Caulase	AND HOUS	pede recreational	uses. Attach photos of evide	nce or unusual Campgrounds		
rrounding Conditions of interest.)	ns*: (Mark all that p	promote or im	pede recreational	uses. Attach photos of evide [] Urban areas	nce or unusual		
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	GOLF CaulAsE "S*: (Mark all that; "Playgrounds "State parks "Fence	promote or im MDC co	pede recreational	uses. Attach photos of evide [] Urban areas [] Nature trails	☐ Campgrounds		
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	GOLF CaulAsE "S*: (Mark all that; "Playgrounds "State parks "Fence	promote or im MDC co	pede recreational	uses. Attach photos of evide [] Urban areas [] Nature trails	nce or unusual Campgrounds		
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	MS*: (Mark all that a	promote or im MDC col National Steep slo	pede recreational enservation lands forests	uses. Attach photos of evide Urban areas Nature trails Other:	Campgrounds		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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JTR-03.15-05

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□ Pool W Vificw Pr Downstream		Le Yes □ N	ength (ft): २००० ength (ft):	Avg. Depth (f	6)		
Flow Pi	esent?	Yes 🗆 N		A D	m: o ⊴avv	Max. Depth (ft): O.	5/21
Downstrean			lo	Avg. Depth (f	ft):	Max. Depth (ft):	
	ı View Phy			Estimated (ft ³	/sec): 6,7 = 165 !	4m=115,:4m=120s	
	i View Phy		e en en en en en		1	FLOWE OVERAIS	
U KIIIIC "	idth (ft):		ensions: Calla Calla ength (ft):	Avg. Depth (f		Max. Depth (ft):	
⊠ Run W			ength (ft): Do	Avg. Depth (f		Max. Depth (ft): 3.4	
	idth (ft):		ength (ft):	Avg. Depth (f		Max. Depth (ft):	<u> </u>
	· · · · · · · · · · · · · · · · · · ·						
EJ FIOW P	resent?	Yes DN	10	Listinated (II	1800). Ym = 1235	; 4m2375; 4m=285 FLOW=0.14 MIS	·
bstrate*: (T	hese values si	hould add up	to 100%.)		Ĺ		
	obble 20		· · · · · · · · · · · · · · · · · · ·	nd 60	% Silt २०	% Mud/Clay	% Bedroc
ter Charact Odor:	☐ Sev	·····		nemical	None	☐ Other:	
Color:	☐ Cle	T	Green Gr		Milky	M Other: Nowv	
Bottom Depos					□ None	Other:	
Surface Depos		 		······································			
Surface Depos	or. FI Oil	L	Scum	am	☐ None	Other:	
mments: Ple	ase attach	additional	comments (includi	ng informatic	on from intervi	ews) to this form.	
				mal nee decions	ation but rather is t		
	is not to be us	ed solely for	removal of a recreation			O DEOVIDE A MOTE	
is information prehensive und	derstanding of	f water condi	removal of a recreations. Consequently, t	his information	is not intended to	directly influence a	
is information prehensive und	derstanding of	f water condi		his information	is not intended to	directly influence a	
is information in the prehensive und isson on the rec	derstanding or reation use an ned, hereb	f water condinalysis but m y affirm to	tions. Consequently, t ay point to conditions	his information that need furthe	is not intended to a analysis or that	directly influence a	nis UAA
is information prehensive und sion on the rec	derstanding or reation use an ned, hereb	f water condinalysis but m y affirm to	tions. Consequently, t ay point to conditions	his information that need furthe	is not intended to a analysis or that	directly influence a effect another use.	nis UAA
is information in the prehensive und isson on the rec	derstanding or reation use an ned, hereb	f water condinalysis but m y affirm to	tions. Consequently, t ay point to conditions	his information that need furthe nowledge, th	is not intended to a analysis or that	directly influence a effect another use.	nis UAA



